



Rita M. Barrios is an assistant professor at University of Detroit Mercy.

Ms. Barrios has over 19 years of Information Technology experience. Her primary skills include Database design, modeling, SQL performance tuning and standardization. She has many years as a senior application developer, technical project lead and project manager in the financial and transportation industries. She has participated in all phases of the software development life cycle including requirements gathering, specification, development, testing and implementation. Currently, while at the University of Detroit Mercy, A National Security Agency Center of Academic Excellence, in the Information Assurance Program, she has had papers published in conference proceeding with regard to application data integrity, database security and on the state of Information Assurance understanding in industry and academia. Most recently she published a chapter for RAM and File System Forensics in *CyberForensics: Understanding Information Security Investigations*. Her primary expertise is in Information Assurance where she focuses on digital forensics, access controls and secured software development. Additionally, Ms. Barrios was the program and research manager for the creation and implementation of a DoD funded knowledgebase called the National Software Assurance Repository (NSAR) which houses research from both industry and academia on Information Assurance. Her research interests include database intrusion detection and prevention systems and the insider threat phenomena. Ms. Barrios anticipates the completion of her PhD in Information Security in 2011.